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(54) Title: A METHOD FOR CELL IMPLANTATION

(57) Abstract: An endoscopic method for treating cartilage or bone defects in an animal, said method comprising the steps of: i) identifying the position of the defect, ii) applying cells selected from the group consisting of chondrocytes, chondroblasts, osteocytes and osteoblasts and combinations thereof into the cartilage or bone defect. In particular, the invention relates to a method for arthroscopic or endoscopic implantation of homologous or autologous cells into a defect of an animal body, the method comprising a step of i) arthroscopic or endoscopic application of a fluid to a cavity or surface containing the defect, and the steps of ii) application of the cells to the defect substantially simultaneously with a support material, the application being performed at the defect covered by the fluid, iii) mixing of the cells and the supporting material, iv) solidification of the supporting material so that the defect is covered by a mixture of cells and support material without any significant amount of fluid, and v) optionally, removal of the fluid from the cavity or surface by drainage or suction.

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